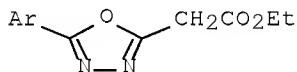


ACCESSION NUMBER: 2002:29404 CAPLUS Full-text  
 DOCUMENT NUMBER: 136:340636  
 TITLE: Synthesis of 5-(hetero)aryl-1,3,4-oxadiazolyl-2-acetic acids  
 AUTHOR(S): Janda, Lubomir  
 CORPORATE SOURCE: Aldrich Chemical Co., Inc., Milwaukee, WI, 53233, USA  
 SOURCE: Heterocyclic Communications (2001), 7(5), 411-416  
 CODEN: HCOMEX; ISSN: 0793-0283  
 PUBLISHER: Freund Publishing House Ltd.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 136:340636  
 GI



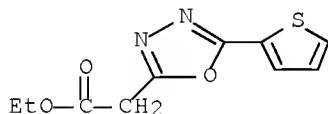
**AB** Et (1H-tetrazol-5-yl)acetate is acylated with aroyl chlorides and heteroaroyl chlorides in pyridine. The intermediate acyltetrazoles undergo thermal degradation to Et [5-(hetero)aryl-1,3,4-oxadiazol-2-yl]acetates [I; Ar = 2-furanyl, 2-thienyl, (un)substituted phenyl]. The corresponding acetic acids are obtained by potassium hydroxide mediated hydrolysis of the esters in anhydrous ethanol.

**IT** 415679-22-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and conversion to carboxylic acid)

**RN** 415679-22-0 CAPLUS

**CN** 1,3,4-Oxadiazole-2-acetic acid, 5-(2-thienyl)-, ethyl ester (CA INDEX NAME)



**IT** 415679-28-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

**RN** 415679-28-6 CAPLUS

**CN** 1,3,4-Oxadiazole-2-acetic acid, 5-(2-thienyl)- (CA INDEX NAME)

